

# REC SEAL ACP105

## ELASTOMERIC ACRYLIC CEMENTITIOUS WATERPROOFING COATING

### DESCRIPTION

**REC SEAL ACP105** is a two-component acrylic polymer modified cementitious, flexible waterproof coating for internal and external applications.

### PRIMARY APPLICATIONS

- For waterproofing of water retaining structures and reservoirs.
- To provide protection for concrete substrates and masonry against carbon dioxide, chloride ions, water and de-icing salts.

### FEATURES/BENEFITS

- Waterproof, suitable for water retaining structure and basements.
- Breathable, water vapor preamble
- Durable, excellent resistance to UV attack.
- Reinforced acrylic with excellent protection against carbon dioxide, chloride ions and water.
- Non-toxic, suitable for drinking water (BS6920-2.3).
- Cost effective, quick, and easy brush or spray application.
- Suitable for internal and external applications with attractive colors available.

### TECHNICAL INFORMATION

|                                       |                      |
|---------------------------------------|----------------------|
| Color                                 | Gray, White          |
| Mixed density ASTM D1475-13:          | 1.95 ±0.1 kg/L       |
| Working time:                         | 45 minutes @ 35°C    |
| Adhesion Strength ASTM D4541          | ≥ 1.0 Mpa            |
| Water penetration @ 7Bar BSEN 12390-8 | Nil                  |
| Drying Shrinkage BSEN445              | 1.1%                 |
| Tensile Strength ASTM C307:20203      | ≥ 1.5 Mpa            |
| Crack Bridging ASTM C1305-16          | >1.5mm               |
| Bond Strength ASTM D4545              | >1.50 MPa            |
| Elongation ASTM D638-2014             | >8% @ 50mm/min. 40hr |
| Potable water BSEN1186-9 / BS6920-2   | Approved             |
| Application Temperature:              | 5°C - 40°C           |

### DIRECTIONS FOR USE

#### SURFACE PREPARATION

- The surfaces to be coated should be clean, sound, and free from any contamination.
- Remove any traces of curing compound, laitance, organic growth or any other loose materials. This is best obtained by using high pressure water or light grit blasting.
- Honey combing, damaged or deteriorated concrete exists, the substrate should be repaired using suitable low permeability repair mortar from Reckon repair systems before commencing the coating.

#### PRIMING

No primer is required, but substrates should be pre-soaked with clean water prior to application of **REC SEAL ACP105**.

## MIXING

To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used. 8 kg of **REC SEAL ACP105** liquid should be added to a clean container. Then 22.0 kg powder is added slowly to the liquid while mixing continuously with low-speed mixer/drill (400 – 600 rpm). Mixing time should be continued for 3 minutes until a uniform consistency is obtained.

## APPLICATION

**REC SEAL ACP105** can be applied by brush or spray. The mixed material should be brushed well into the surface. Strike off with the brush in one direction. Care must be taken not to spread the material too thin. When the material begins to drag, do not add any water, but dampen the surface again. Leave the first coat overnight to cure before applying the second coat. If the first coat is left for more than one day or if it is very dry, pre-soaking with clean water is needed before applying the second coat. The second coat shall be applied by brush in a similar way to the first layer but preferably perpendicular to the previous layer to ensure good bond and coverage

## COVERAGE

Approximately 17.0 m<sup>2</sup>/ 30kg for 1mm thickness.

## CLEANING

All tools should be cleaned immediately after application using fresh water. Hardened materials should be cleaned mechanically.

## PACKAGING

**REC SEAL ACP105** is available in 30 Kg Unit (7.0 kg polymer & 23.0 kg powder).

## STORAGE

### SHELF LIFE

**REC SEAL ACP105** has a shelf life of 6 months when stored in warehouse conditions below 30°C in the original, unopened packs.

### STORAGE CONDITIONS

Store under warehouse conditions, below 30°C in the original, unopened packs.

## HEALTH & SAFETY

As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

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